

## BIOGRAPHICAL SKETCH

**NAME:** Boyce P. Hunt Jr. **POSITION TITLE:** Pre-doctoral Fellow

### EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
East Carolina University	B.S.	2002	Environmental Health
North Carolina University	M.S.P.H	2004	Environmental Science

### PROFESSIONAL EXPERIENCE:

5/01-8/01 Internship with the Gaston County Health Dept.

### PROFESSIONAL SOCIETIES:

2001– Member of Epsilon Nu Eta (Environmental Health Honor Society)

2002 President of Epsilon Nu Eta, East Carolina University Chapter

### SELECTED AWARDS AND HONORS:

2001 East Carolina University academic scholarship

2003– Cooperative Agreement Training Fellowship–US Environmental Protection Agency and North Carolina University

### RESEARCH OBJECTIVES

Current animal models of asthma have been criticized for lacking the chronic nature of the disease. A protocol of chronic exposure of mice to ovalbumin, based on the model of Rakesh Kumar (Australia), will be developed to more closely mimic the acute-on-chronic inflammatory condition observed in the airway wall in human chronic asthma. The development of the allergic asthma phenotype will be monitored using physiological, inflammatory, and histopathological endpoints. The response of this model to co-exposure with various ambient and source-category PM (oil combustion, coal combustion, diesel, crustal) may be determined to see how the PM affects development of allergic responses.